This Page Is Inserted by IFW Operations and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.

| | Туре | L# | Hits | Search Text | DBs | Time Stamp | Comments |
|---|------|----|------|--|--|---------------------|----------|
| 1 | BRS | L1 | 145 | pixelated adj2 detector | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 18:54 | |
| 2 | BRS | L2 | 21 | 1 and (point adj2 spread) | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 20:28 | |
| 3 | BRS | L3 | 9 | 2 and @ad < "20000602" | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 19:10 | |
| 4 | BRS | L4 | 7 | 3 and (convolution or deconvolution or transform) | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 19:12 | |
| 5 | BRS | L5 | 5 | 3 and (convolution or deconvolution or (inverse adj2 transform)) | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 20:28 | |
| 6 | BRS | L8 | 0 | 6 and 7 | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 19:01 | |
| 7 | BRS | L7 | 1 | 5 and gaussian | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 20:29 | |

.

| | Error Definition | Err ors |
|---|------------------|------------|
| 1 | | 0 |
| 2 | | 0 |
| 3 | | 0 |
| 4 | | 0 |
| 5 | | 0 |
| 6 | | 0 |
| 7 | | 0 |

| | Туре | L# | Hits | Search Text | DBs | Time Stamp | Comments |
|----|------|-----|-------|--|--|---------------------|----------|
| 8 | BRS | L6 | 3 | 5 and (fourier adj2 transform) | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 19:02 | |
| 9 | BRS | L9 | 1 | 3 and monitor | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 19:09 | |
| 10 | IS&R | L10 | 10138 | (398/\$3).CCLS. | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 19:09 | |
| 11 | BRS | L11 | 408 | 10 and monitor and (signal adj2 noise adj2 ratio) and wavelength | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 19:44 | |
| 12 | BRS | L12 | 212 | 11 and @ad < "20000602" | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 19:10 | |
| 13 | BRS | L13 | 3 | 12 and (inverse adj2 fourier adj2 transform) | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 20:28 | |
| 14 | BRS | L14 | o | 13 and (convolution or deconvolution) | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 20:28 | |

| | Error Definition | Err ors | |
|----|------------------|------------|--|
| 8 | | 0 | |
| 9 | | 0 | |
| 10 | | 0 | |
| 11 | | 0 | |
| 12 | | 0 | |
| 13 | | 0 | |
| 14 | | 0 | |

| | Туре | L# | Hits | Search Text | DBs | Time Stamp | Comments |
|----|------|-----|------|---|--|---------------------|----------|
| 15 | BRS | L16 | 0 | 15 and calibration | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 19:13 | |
| 16 | BRS | L15 | 3 | 13 and filter | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 19:13 | |
| 17 | BRS | L18 | 0 | 17 and (inverse adj2 fourier adj2 transform) | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 19:24 | |
| 18 | BRS | L17 | 7 | 12 and (pixel and array) | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 19:52 | |
| | | | | | USPAT; | | |
| 19 | IS&R | L19 | 2 | ("6486984").PN. | US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 19:43 | |
| 20 | BRS | L20 | 1 | 19 and (signal adj2 noise adj2 ratio) | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 19:45 | |
| 21 | IS&R | L21 | 2 | ("6128111").PN. | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 19:45 | |

| | Error Definition | Err ors |
|----|------------------|------------|
| 15 | | 0 |
| 16 | | 0 |
| 17 | | 0 |
| 18 | | 0 |
| 19 | | 0 |
| 20 | | 0 |
| 21 | | 0 |

| | Туре | L # | Hits | Search Text | DBs | Time Stamp | Comments |
|----|------|-----|------|---------------------------------------|--|---------------------|----------|
| 22 | BRS | L22 | 1 | 21 and (signal adj2 noise adj2 ratio) | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 19:53 | |
| 23 | IS&R | L23 | 3 | ("6388809").PN. | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 19:46 | |
| 24 | BRS | L24 | 3 | 23 and (signal adj2 noise adj2 ratio) | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 19:46 | |
| 25 | BRS | L25 | 9 | 12 and pixel\$2 | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 19:53 | |
| | | | | | USPAT; | | |
| 26 | BRS | L26 | 9 | 25 and (signal adj2 noise adj2 ratio) | US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 20:08 | |
| 27 | BRS | L27 | 3 | 26 and demultiplex\$3 | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 20:08 | |
| 28 | BRS | L28 | 0 | 21 and (point adj2 spread) | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 20:22 | |

| | | Error Definition | Err ors |
|---|----|------------------|------------|
| | 22 | | 0 |
| | 23 | | 0 |
| · | 24 | | 0 |
| | 25 | | 0 |
| | 26 | | 0 |
| | 27 | | 0 |
| | 28 | | 0 |

| | Туре | L# | Hits | Search Text | DBs | Time Stamp | Comments |
|----|------|-----|-------|---|--|---------------------|----------|
| 29 | IS&R | L29 | 2 | ("5,340,988").PN. | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 20:28 | |
| 30 | BRS | L30 | 1 | 29 and (point adj2 spread) | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 20:28 | |
| 31 | BRS | L31 | 1 | 30 and (inverse adj2 fourier adj2 transform) | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 20:28 | · |
| 32 | BRS | L33 | 0 | 32 and gaussian | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 20:29 | |
| | | | | | USPAT; US-PGP | | |
| 33 | BRS | L32 | 1 | 31 and (convolution or deconvolution) | UB; EPO; JPO; DERWE NT; IBM_TD | 2004/06/26 21:24 | |
| 34 | IS&R | L34 | 10138 | (398/\$3).CCLS. | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 21:25 | |
| 35 | IS&R | L35 | 0 | ("12and34").PN. | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 21:25 | |

| | Error Definition | Err ors |
|----|------------------|------------|
| 29 | | 0 |
| 30 | | 0 |
| 31 | | 0 |
| 32 | | 0 |
| 33 | | 0 |
| 34 | | 0 |
| 35 | | 0 |

| | Туре | L# | Hits | Search Text | DBs | Time Stamp | Comments |
|----|------|-----|------|--------------------|--|---------------------|----------|
| 36 | BRS | L36 | 212 | | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 21:25 | |
| 37 | BRS | L37 | 22 | 36 and calibration | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 21:26 | |
| 38 | BRS | L38 | 27 | 36 and calibrat\$3 | USPAT; US-PGP UB; EPO; JPO; DERWE NT; IBM_TD B | 2004/06/26 21:26 | |

| | Error Definition | Err ors |
|----|------------------|------------|
| 36 | | 0 |
| 37 | | 0 |
| 38 | | 0 |